

Applicants respectfully request that the preliminary amendment described herein be entered into the record prior to calculation of the filing fee and prior to examination and consideration of the above-identified application.


If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicants' primary attorney-of record, Douglas P. Mueller (Reg. No. 30,300), at 612.371.5237.

Respectfully submitted,

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By



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TOTAL 42660

Marked-up Copy of Claims

6. An enzyme according to [any one of claims 1 to 5] --claim 1--,
wherein the amino acid having a glydated α -amino group to be released is valine
having a glydated α -amino group.
7. A method of determining a glydated protein or a glydated peptide comprising:
degrading a glydated protein or a glydated peptide with an enzyme to give a
degradation product;
causing a redox reaction between the degradation product and a fructosyl amino
acid oxidase; and
determining the redox reaction so as to determine the amount of the glydated
protein or the glydated peptide,
wherein an enzyme according to [any one of claims 1 to 5] --claim 1-- is used as
the enzyme.
9. A kit for determining a glydated protein or a glydated peptide comprising:
a protease;
a fructosyl amino acid oxidase;
a peroxidase; and
a substrate that is oxidized through a reaction with the peroxidase,
wherein the protease comprises an enzyme according to [any one of claims 1 to 5] --
claim 1--.
14. A substrate for detecting an enzyme according to [any one of claims 1 to 5] --claim
1-- or for determining an activity of the enzyme comprising:
an amino acid; and
a detection group,
wherein the amino acid has a glydated α -amino group,
the detection group is bound to an α -carboxyl group of the amino acid by an
amide linkage or ester linkage, and
the detection group cannot be detected in its binding state whereas it can be detected if
released.

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